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1. [DLA152-001: Advanced Manufacturing Technologies](#)

Release Date: 04-24-2015 Open Date: 05-22-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

DLA seeks drastically lower unit costs of discrete-parts support through manufacturing revolutions that also have applicability to low and high volume production from commercial sales. This will result in an improvement in the affordability of these innovations to DLA and its customers and the development of cost effective methods to sustain existing defense systems while potentially impacting the ...

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2. [DLA152-002: Medical 3D Printing](#)

Release Date: 04-24-2015 Open Date: 05-22-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

DLA seeks to integrate 3D printing into the Medical supply chain. Medical 3D printing is a disruptive, game-changing technology that will significantly alter medical supply chains in the future. Integrating medical 3D printing will transform customer experience because the supplies will be customizable and available on-demand. With medical 3D printing, the DLA Medical Supply Chain can offer new pr ...

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3. [DLA152-003: Ceramic Additive Manufacturing for Metal Casting](#)

Release Date: 04-24-2015 Open Date: 05-22-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

DLA seeks drastically lower unit costs and availability of cast parts support through manufacturing revolutions that also have applicability to low or high volume production from commercial sales. This will result in an improvement in the affordability of these innovations to DLA and its customers and the development of cost effective methods to sustain existing defense systems while a potential i ...

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4. [SOCOM14-001: Power Supply for the Tactical Assault Light Operator Suit \(TALOS\)](#)

Release Date: 11-20-2013 Open Date: 12-20-2013 Due Date: 01-22-2014 Close Date: 01-22-2014

OBJECTIVE: Investigate and identify a suitable safe, lightweight power supply for the exoskeleton component of the TALOS ensemble. DESCRIPTION: The TALOS ensemble is a new initiative in USSOCOM that is intended to provide solutions for the enhanced mobility/protection/situational awareness capabilities to augment the direct assaulter. As such, the power supply for the TALOS ensemble wi ...

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5. [SOCOM14-002: Advanced Transparent Armor Materials and Manufacturing Methods](#)

Release Date: 11-20-2013 Open Date: 12-20-2013 Due Date: 01-22-2014 Close Date: 01-22-2014

OBJECTIVE: The objective of this feasibility study is to develop innovative transparent armor for Ground Mobility Vehicles (GMV) that is lighter than existing transparent armor and that is affordable. Develop innovative transparent armor that is at least 25% lighter at a given protection level and in the current space claim than current transparent armor in GMV. The cost of the innovative armor sh ...

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6. [SOCOM14-003: Advanced Opaque Armor Materials and Manufacturing Methods](#)

Release Date: 11-20-2013 Open Date: 12-20-2013 Due Date: 01-22-2014 Close Date: 01-22-2014

OBJECTIVE: Develop a low cost, light weight armor package that has reduced visual signature while offering high protection against threats for Non Standard Commercial Vehicles (NSCV). DESCRIPTION: Modified commercial vehicles are a staple of Special Operations activities. One reason a commercial vehicle is used is to blend in with local vehicles. They serve a purpose of enabling advance mobi ...

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7. [SOCOM14-004: Hydrogen Generation from Water and Full or Partial Replacement of Petroleum Fuels in Diesel Internal Combustion Engines](#)

Release Date: 11-20-2013 Open Date: 12-20-2013 Due Date: 01-22-2014 Close Date: 01-22-2014

OBJECTIVE: Develop a system to generate hydrogen from water on site for use in combatant craft diesel engines to decrease dependency of Naval Special Warfare on petroleum fuels and to increase craft fuel economy and range. DESCRIPTION: Improving fuel economy, reducing greenhouse gas emissions and minimizing fuel costs associated with Military vehicles is a necessity given dwindling budgets an ...

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8. [SOCOM14-005: High Performance Marine Diesel Closed Coolant System for High Speed Combatant Craft](#)

Release Date: 11-20-2013 Open Date: 12-20-2013 Due Date: 01-22-2014 Close Date: 01-22-2014

OBJECTIVE: Develop a closed coolant system for the SOC-R to eliminate use of off-board, raw water to cool the engines. DESCRIPTION: SOC-R engine cooling is provided by raw water from the engine pumps and from the Hamilton jets. This raw water sometimes contains debris that clogs the engine strainers causing the engines to overheat. This is especially problematic during beaching operations wh ...

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9. [SOCOM14-006: Low Acoustic Signature Manned Intelligence, Surveillance and Reconnaissance](#)

Release Date: 11-20-2013Open Date: 12-20-2013Due Date: 01-22-2014Close Date: 01-22-2014

OBJECTIVE: Develop active and passive noise suppression technologies to reduce the acoustical footprint of the King Air - 350ER (B - 300ER) manned Intelligence, Surveillance and Reconnaissance (ISR) platform. DESCRIPTION: Manned ISR platform operators need to strike a balance between operational factors. They must fly close enough to collect the mission data while maintaining sufficient stan ...

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10. [SOCOM13-001: Nano-scale Coatings for the Protection of Electronics and Sensitive Equipment in Marine Environments](#)

Release Date: 11-16-2012Open Date: 12-17-2012Due Date: 01-16-2013Close Date: 01-16-2013

OBJECTIVE: Research and development of nano-scale coatings for protection of electronics and other sensitive items from seawater and salt fog. DESCRIPTION: Marine (seawater) environments are harsh on equipment, particularly electronics with seawater's high conductivity leading to short circuits and increased corrosion rates. Typically, electronics and other items that are susceptible to seaw ...

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